

IN THE CLAIMS:

Listing of the Claims:

Claims 1-9 (Cancelled)

102 ✓ 10. (New) A micro engine comprising a source of hydrogen peroxide and a source of hydrocarbon fuel; a decomposition region for decomposition of hydrogen peroxide and a combustion region for combustion of hydrocarbon fuel with oxygen produced from such decomposition; and a nozzle to exit products of such decomposition and combustion to produce thrust.

103 11. (New) A micro engine comprising a source of hydrogen peroxide and source of hydrocarbon fuel; a decomposition region for decomposition of hydrogen peroxide and a combustion region for combustion of hydrocarbon fuel with oxygen produced from such decomposition; a nozzle to exit products of such decomposition and combustion; and a turbine arranged to be driven by such products exiting through said nozzle.

12. (New) A micro engine according to claim 11 further comprising a fan arranged to be driven by said turbine.

13. (New) A micro engine according to claim 12 further comprising a duct surrounding said fan and through which, in use, air flows around the exterior of said decomposition and combustion regions towards said fan.

14. (New) A micro air vehicle equipped with an engine comprising: a source of hydrogen peroxide and a source of hydrocarbon fuel; a decomposition region for decomposition of hydrogen peroxide and a combustion region for combustion of hydrocarbon fuel with oxygen produced from such decomposition; and a nozzle to exit products of such decomposition and combustion to produce thrust.

103 15. (New) A micro air vehicle equipped with an engine comprising: a source of hydrogen

peroxide and a source of hydrocarbon fuel; a decomposition region for decomposition of hydrogen peroxide and a combustion region for combustion of hydrocarbon fuel with oxygen produced from such decomposition; a nozzle to exit products of such decomposition and combustion; and a turbine arranged to be driven by such products exiting through said nozzle.

16. (New) A micro air vehicle according to claim 15 wherein said engine further comprises a fan arranged to be driven by said turbine.

17. (New) A micro air vehicle according to claim 16 wherein said engine further comprises a duct surrounding said fan and through which, in use, air flows around the exterior of said decomposition and combustion regions towards said fan.

18. (New) A method of propelling a micro air vehicle comprising the steps of decomposing hydrogen peroxide, combusting a hydrocarbon fuel with oxygen produced from such decomposition, and exiting products of such decomposition and combustion through a nozzle to produce thrust.

19. (New) A method of propelling a micro air vehicle comprising the steps of decomposing hydrogen peroxide, combusting a hydrocarbon fuel with oxygen produced from such decomposition, and exiting products of such decomposition and combustion through a nozzle to drive a turbine.

20. (New) A method of propelling a micro air vehicle according to claim 19 further comprising the step of driving a fan with said turbine.

21. (New) A method of propelling a micro air vehicle according to claim 20 wherein said fan is located within a duct and air flows through said duct towards said fan around the exterior of regions where said decomposition and combustion takes place.